
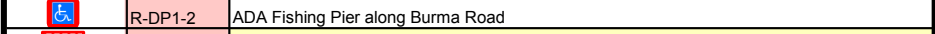
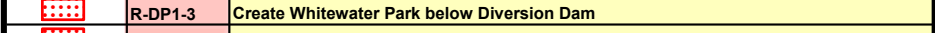
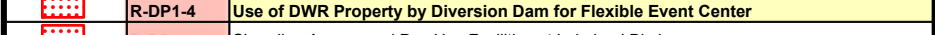
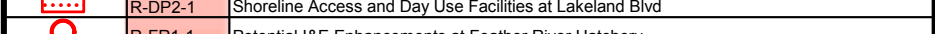
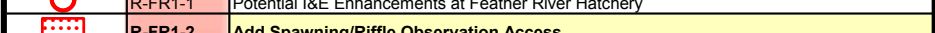
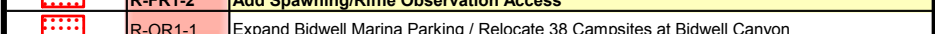
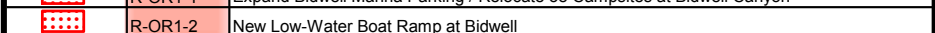
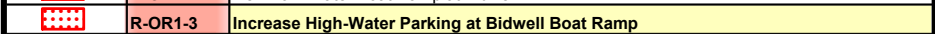

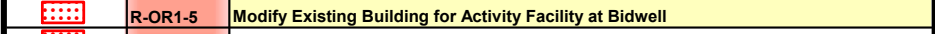
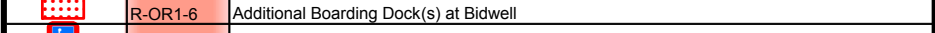
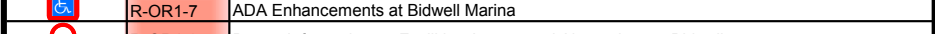
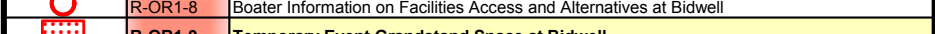
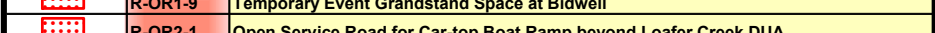
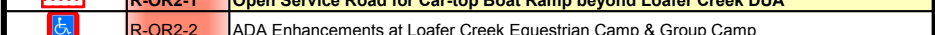
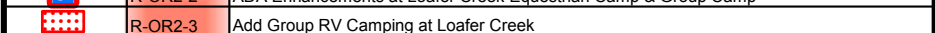
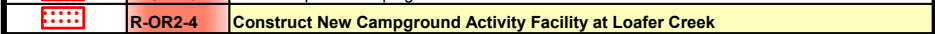
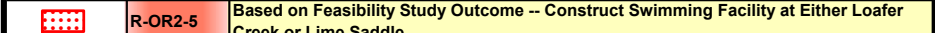
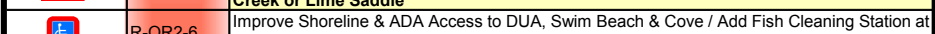
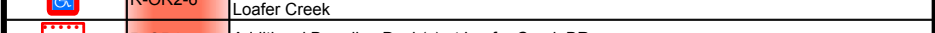
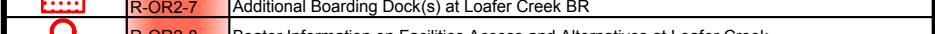
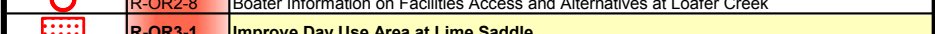
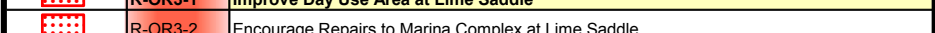
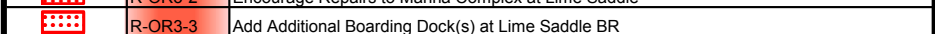
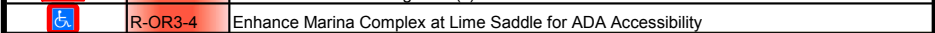
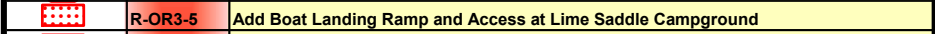
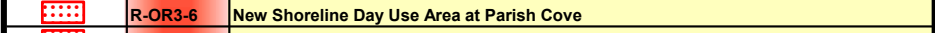
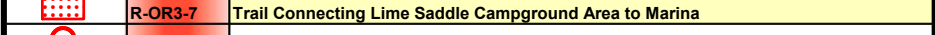
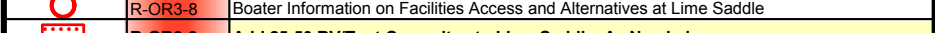
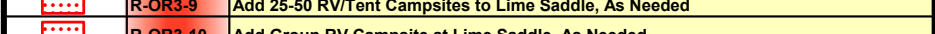
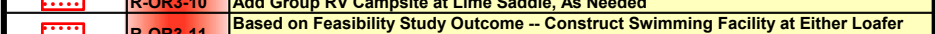
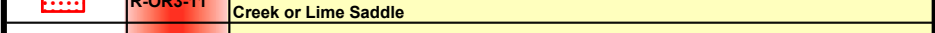
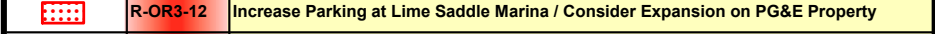
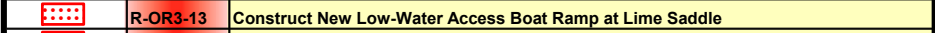
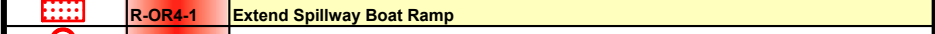
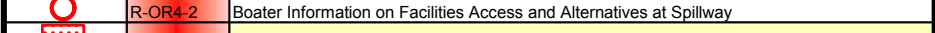
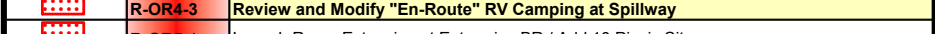
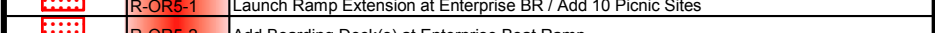
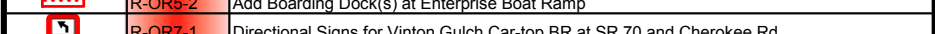
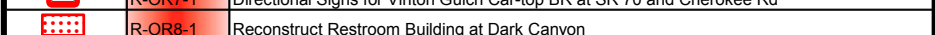
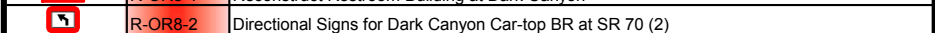
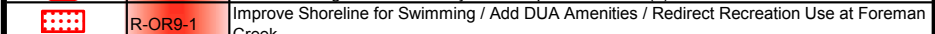
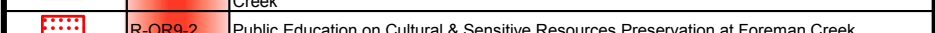
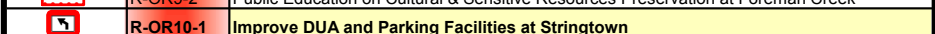
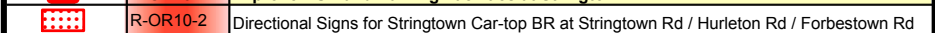
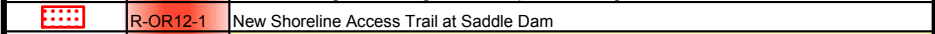
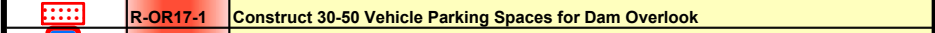
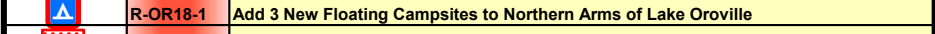
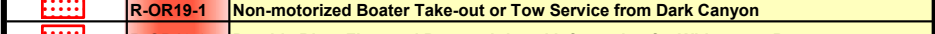
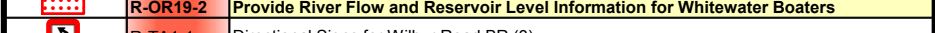
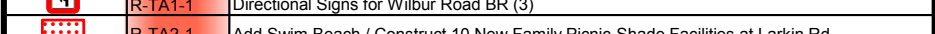
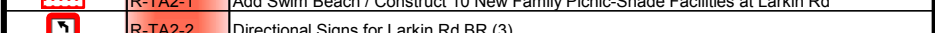
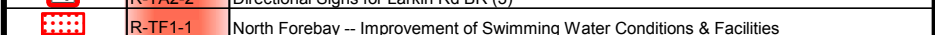
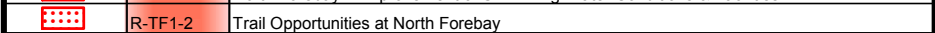
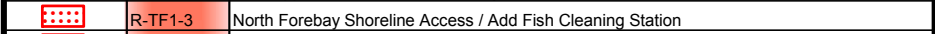
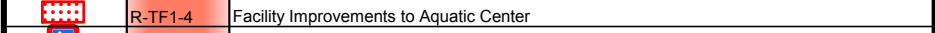

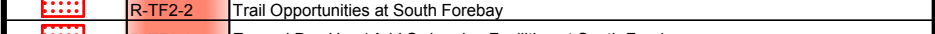
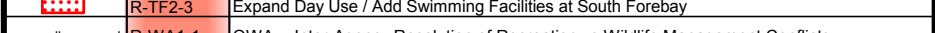
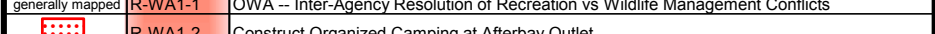
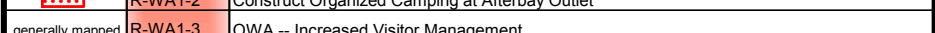
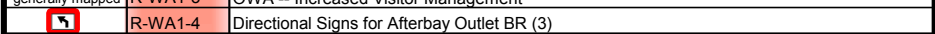
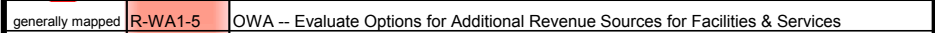
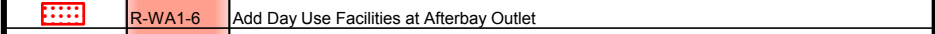
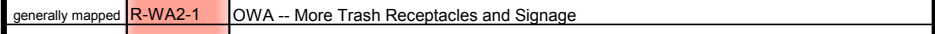
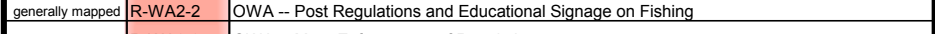
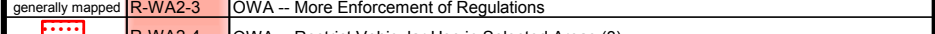


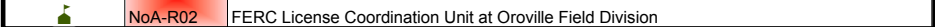
# Alternative 2 -- Tables

(PM&E measures highlighted in yellow are unique to Alternative 2)

## Recreational Measures

Symbol	Code	Title
	R-DP1-1	<b>Diversion Pool: Provide Day Use Sites for Trail Users and Boaters</b>
	R-DP1-2	ADA Fishing Pier along Burma Road
	<b>R-DP1-3</b>	<b>Create Whitewater Park below Diversion Dam</b>
	<b>R-DP1-4</b>	<b>Use of DWR Property by Diversion Dam for Flexible Event Center</b>
	R-DP2-1	Shoreline Access and Day Use Facilities at Lakeland Blvd
	R-FR1-1	Potential I&E Enhancements at Feather River Hatchery
	<b>R-FR1-2</b>	<b>Add Spawning/Riffle Observation Access</b>
	R-OR1-1	Expand Bidwell Marina Parking / Relocate 38 Campsites at Bidwell Canyon
	R-OR1-2	New Low-Water Boat Ramp at Bidwell
	<b>R-OR1-3</b>	<b>Increase High-Water Parking at Bidwell Boat Ramp</b>
	<b>R-OR1-4</b>	<b>Add Camp Store at Bidwell</b>
	<b>R-OR1-5</b>	<b>Modify Existing Building for Activity Facility at Bidwell</b>
	R-OR1-6	Additional Boarding Dock(s) at Bidwell
	R-OR1-7	ADA Enhancements at Bidwell Marina
	R-OR1-8	Boater Information on Facilities Access and Alternatives at Bidwell
	<b>R-OR1-9</b>	<b>Temporary Event Grandstand Space at Bidwell</b>
	<b>R-OR2-1</b>	<b>Open Service Road for Car-top Boat Ramp beyond Loafer Creek DUA</b>
	R-OR2-2	ADA Enhancements at Loafer Creek Equestrian Camp & Group Camp
	R-OR2-3	Add Group RV Camping at Loafer Creek
	<b>R-OR2-4</b>	<b>Construct New Campground Activity Facility at Loafer Creek</b>
	<b>R-OR2-5</b>	<b>Based on Feasibility Study Outcome -- Construct Swimming Facility at Either Loafer Creek or Lime Saddle</b>
	R-OR2-6	Improve Shoreline & ADA Access to DUA, Swim Beach & Cove / Add Fish Cleaning Station at Loafer Creek
	R-OR2-7	Additional Boarding Dock(s) at Loafer Creek BR
	R-OR2-8	Boater Information on Facilities Access and Alternatives at Loafer Creek
	<b>R-OR3-1</b>	<b>Improve Day Use Area at Lime Saddle</b>
	R-OR3-2	Encourage Repairs to Marina Complex at Lime Saddle
	R-OR3-3	Add Additional Boarding Dock(s) at Lime Saddle BR
	R-OR3-4	Enhance Marina Complex at Lime Saddle for ADA Accessibility
	<b>R-OR3-5</b>	<b>Add Boat Landing Ramp and Access at Lime Saddle Campground</b>
	<b>R-OR3-6</b>	<b>New Shoreline Day Use Area at Parish Cove</b>
	<b>R-OR3-7</b>	<b>Trail Connecting Lime Saddle Campground Area to Marina</b>
	R-OR3-8	Boater Information on Facilities Access and Alternatives at Lime Saddle
	<b>R-OR3-9</b>	<b>Add 25-50 RV/Tent Campsites to Lime Saddle, As Needed</b>
	<b>R-OR3-10</b>	<b>Add Group RV Campsite at Lime Saddle, As Needed</b>
	<b>R-OR3-11</b>	<b>Based on Feasibility Study Outcome -- Construct Swimming Facility at Either Loafer Creek or Lime Saddle</b>
	<b>R-OR3-12</b>	<b>Increase Parking at Lime Saddle Marina / Consider Expansion on PG&amp;E Property</b>
	<b>R-OR3-13</b>	<b>Construct New Low-Water Access Boat Ramp at Lime Saddle</b>
	<b>R-OR4-1</b>	<b>Extend Spillway Boat Ramp</b>
	R-OR4-2	Boater Information on Facilities Access and Alternatives at Spillway
	<b>R-OR4-3</b>	<b>Review and Modify "En-Route" RV Camping at Spillway</b>
	R-OR5-1	Launch Ramp Extension at Enterprise BR / Add 10 Picnic Sites
	R-OR5-2	Add Boarding Dock(s) at Enterprise Boat Ramp
	R-OR7-1	Directional Signs for Vinton Gulch Car-top BR at SR 70 and Cherokee Rd
	R-OR8-1	Reconstruct Restroom Building at Dark Canyon
	R-OR8-2	Directional Signs for Dark Canyon Car-top BR at SR 70 (2)
	R-OR9-1	Improve Shoreline for Swimming / Add DUA Amenities / Redirect Recreation Use at Foreman Creek
	R-OR9-2	Public Education on Cultural & Sensitive Resources Preservation at Foreman Creek
	<b>R-OR10-1</b>	<b>Improve DUA and Parking Facilities at Stringtown</b>
	R-OR10-2	Directional Signs for Stringtown Car-top BR at Stringtown Rd / Hurlton Rd / Forbestown Rd
	R-OR12-1	New Shoreline Access Trail at Saddle Dam
	<b>R-OR17-1</b>	<b>Construct 30-50 Vehicle Parking Spaces for Dam Overlook</b>
	<b>R-OR18-1</b>	<b>Add 3 New Floating Campsites to Northern Arms of Lake Oroville</b>
	<b>R-OR19-1</b>	<b>Non-motorized Boater Take-out or Tow Service from Dark Canyon</b>
	<b>R-OR19-2</b>	<b>Provide River Flow and Reservoir Level Information for Whitewater Boaters</b>
	R-TA1-1	Directional Signs for Wilbur Road BR (3)
	R-TA2-1	Add Swim Beach / Construct 10 New Family Picnic-Shade Facilities at Larkin Rd
	R-TA2-2	Directional Signs for Larkin Rd BR (3)
	R-TF1-1	North Forebay -- Improvement of Swimming Water Conditions & Facilities
	R-TF1-2	Trail Opportunities at North Forebay
	R-TF1-3	North Forebay Shoreline Access / Add Fish Cleaning Station
	R-TF1-4	Facility Improvements to Aquatic Center
	R-TF2-1	Provide ADA Accessible Fishing Pier at South Forebay
	R-TF2-2	Trail Opportunities at South Forebay
	R-TF2-3	Expand Day Use / Add Swimming Facilities at South Forebay
generally mapped	R-WA1-1	OWA -- Inter-Agency Resolution of Recreation vs Wildlife Management Conflicts
	R-WA1-2	Construct Organized Camping at Afterbay Outlet
generally mapped	R-WA1-3	OWA -- Increased Visitor Management
	R-WA1-4	Directional Signs for Afterbay Outlet BR (3)
generally mapped	R-WA1-5	OWA -- Evaluate Options for Additional Revenue Sources for Facilities & Services
	R-WA1-6	Add Day Use Facilities at Afterbay Outlet
generally mapped	R-WA2-1	OWA -- More Trash Receptacles and Signage
generally mapped	R-WA2-2	OWA -- Post Regulations and Educational Signage on Fishing
generally mapped	R-WA2-3	OWA -- More Enforcement of Regulations
	R-WA2-4	OWA -- Restrict Vehicular Use in Selected Areas (3)
generally mapped	R-WA2-5	OWA -- Develop 2 Watchable-Wildlife Sites
not mapped	R-DU-1	Dispersed Use Areas -- Provide More Trash Receptacles and Litter Pick-up
not mapped	R-DU-2	Dispersed Use Areas -- Periodic Monitoring of Existing and Potential New Sites
project-wide	R-P1	Recreation Mgmt Plan / Clarification of Agency Responsibilities
generally mapped	R-P5	OWA -- Wildland Fire Evacuation Plan
project-wide	<b>R-P6</b>	<b>Trails Program -- Develop/Implement Capital and O&amp;M Measures and Modify for Multi-Use</b>
project-wide	R-P7	I&E Program -- Develop/Implement Capital and O&M Measures
<b>Key to Geographic Designation in Recreation Measure Codes</b>		
DP -- Diversion Pool		
FR -- Feather River		
OR -- Lake Oroville		
TA -- Thermalito Afterbay		
TF -- Thermalito Forebay		
WA -- Oroville Wildlife Area (OWA)		
DU -- Dispersed Use Areas		
P -- Project-wide / Programmatic		

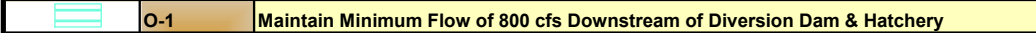

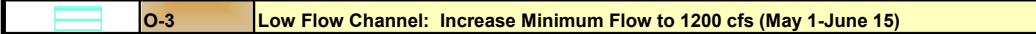
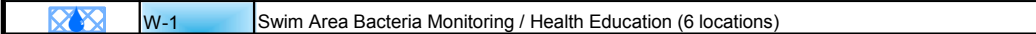
## No-Action Recreational Measures

Symbol	Code	Title
project-wide	NoA-R01	Promotion of Oroville Recreation Facilities
	NoA-R02	FERC License Coordination Unit at Oroville Field Division


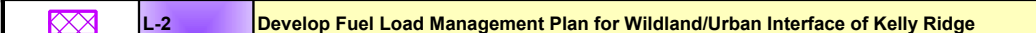
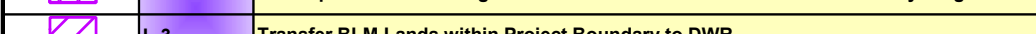
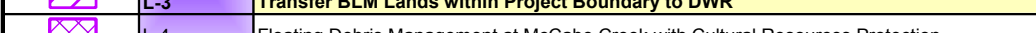
Source: DWR 2004

## Engineering and Operations

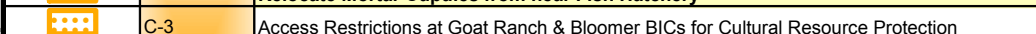
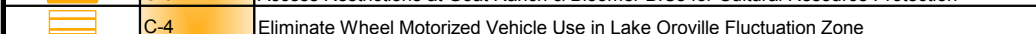
### Engineering

Symbol	Code	Title
	O-1	Maintain Minimum Flow of 800 cfs Downstream of Diversion Dam & Hatchery
	O-2	Seasonal Temperature Targets at Robinson Riffle
	O-3	Low Flow Channel: Increase Minimum Flow to 1200 cfs (May 1-June 15)
<b>Water Quality</b>		
Symbol	Code	Title
	W-1	Swim Area Bacteria Monitoring / Health Education (6 locations)
project-wide	W-2	Public Health Education on Contaminated Fish

## Land Use Management



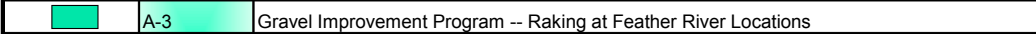
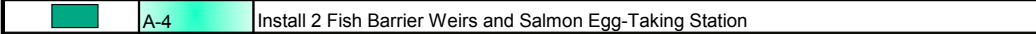

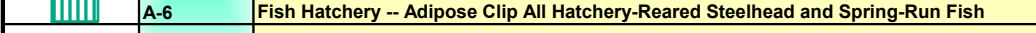
Symbol	Code	Title
	L-1	Screen Material Storage/Staging Area below Oroville Dam
	L-2	Develop Fuel Load Management Plan for Wildland/Urban Interface of Kelly Ridge
	L-3	Transfer BLM Lands within Project Boundary to DWR
	L-4	Floating Debris Management at McCabe Creek with Cultural Resources Protection

## Cultural Resources

Symbol	Code	Title
project-wide	C-1	Historic Properties Management with Recovery & Stabilization as Needed
	<b>C-2</b>	<b>Relocate Mortar Cupules from near Fish Hatchery</b>
	C-3	Access Restrictions at Goat Ranch & Bloomer BICs for Cultural Resource Protection
	C-4	Eliminate Wheel Motorized Vehicle Use in Lake Oroville Fluctuation Zone
project-wide	<b>C-5</b>	<b>Expand Site Stewardship Program with Full-Time Funding</b>
not mapped	C-6	Identify and Set Aside Areas for Planting/Harvesting of Traditional Plants
project-wide	C-7	Implement Signage and Interpretive Display Program
not mapped	C-8	Establish Curation Facility

## Environmental Measures

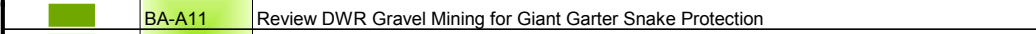
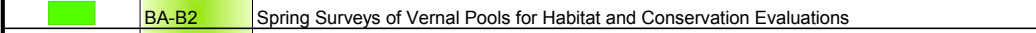
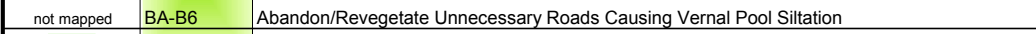
### Aquatic Measures

Symbol	Code	Title
	<b>A-1</b>	<b>Side Channel Habitat Improvement Program -- Along Low-Flow Channel</b>
	A-2	Large Woody Debris Improvement Program -- Fish Barrier Dam to Honcut Creek
	A-3	Gravel Improvement Program -- Raking at Feather River Locations
	A-4	Install 2 Fish Barrier Weirs and Salmon Egg-Taking Station
	<b>A-5</b>	<b>Fish Hatchery Adaptive Management Program with Water Sterilization Element</b>
	<b>A-6</b>	<b>Fish Hatchery -- Adipose Clip All Hatchery-Reared Steelhead and Spring-Run Fish</b>
outside map area	<b>A-7</b>	<b>Lower Feather River -- Allow for Sturgeon Passage</b>

### Terrestrial Measures

Symbol	Code	Title
	T-1	Construct Additional Brood Ponds near Afterbay (4)
	T-2	Routine Recharge of Brood Ponds near Afterbay (5)
	T-3	Afterbay -- Upland Food Enhancements for Nesting Waterfowl
	T-4	Afterbay -- Upland Waterfowl Nest Cover Development
generally mapped	T-5	OWA -- Install Wood Duck Boxes
	T-6	Invasive Species Management Plan -- Treatment Areas
not mapped	T-8	Minimize Recreation Disturbance of Nesting Bald Eagles (includes BA-E1 plus 4 Conservation Measures)
	T-9	Vernal Pool Protection (11 Measures)
	T-10	Giant Garter Snake Habitat (13 Conservation Measures)
	T-11	Red Legged Frog Habitat (2 Conservation Measures)
	T-12	Valley Elderberry Longhorn Beetle (3 Conservation Measures)
	T-13	Reduce Boat Speeds on Afterbay North of SR 162 for Wildlife Protection

## No-Action Draft Biological Assessment (BA) Measures

Symbol	Code	Title
project-wide	BA-1	Designate Listed-Species Coordinator for DWR
	BA-A11	Review DWR Gravel Mining for Giant Garter Snake Protection
	BA-B2	Spring Surveys of Vernal Pools for Habitat and Conservation Evaluations
not mapped	BA-B6	Abandon/Revegetate Unnecessary Roads Causing Vernal Pool Siltation
	BA-B8	Implement Sediment -Trapping Program for Vernal Pool Protection

Note: The map does not include the existing measures which continue through the Alternatives.

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

Oroville Facilities  
FERC Project No. 2100

FIGURE 3.3-1a

Alternative Measures and Projects  
Alternative 2 -- Tables



Prepared by:  
PJ & DF -- EDAW, Inc.

Date  
1/18/05

P:\2000\0s016.gis\arcmap\PDEA\_report\PDEA\_alt2\_table.mxd